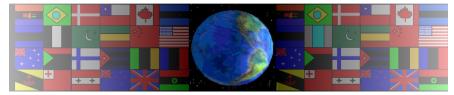
PRODUCT DEVELOPMENT EXERCISE

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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PRODUCT DEVELOPMENT EXERCISE

THE TAPE MEASURE

Study the sample development page (page 2).

How many of the key areas (page 3)have been mentioned on this sheet? Place a tick against the areas included. (See slide three for key areas)

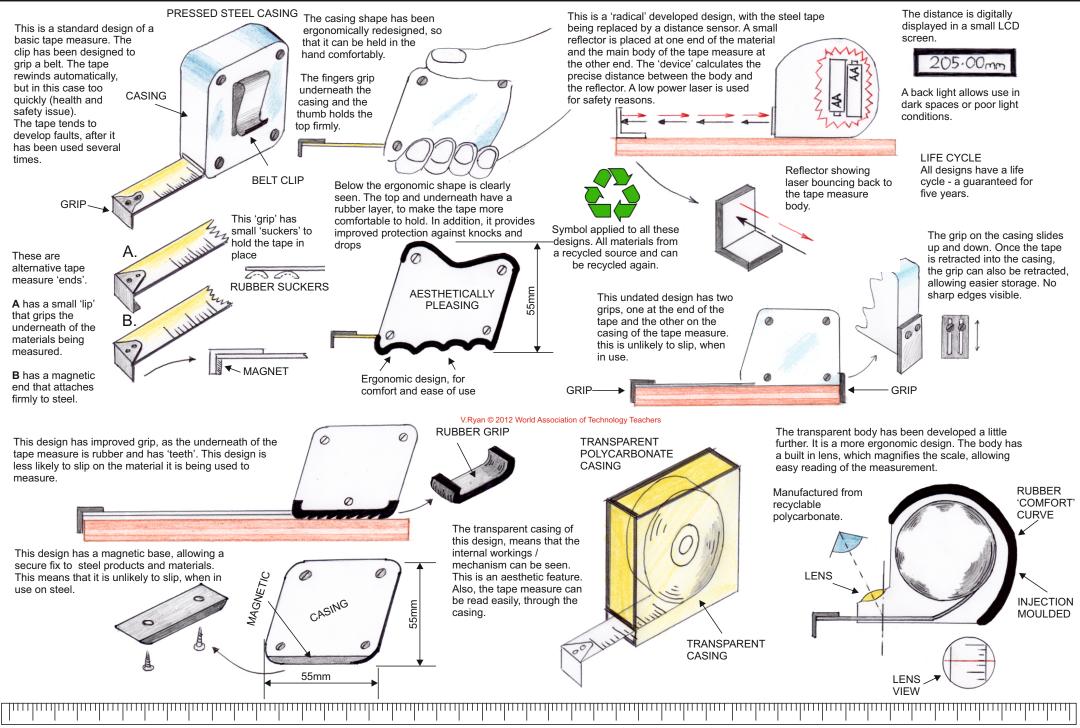
What grade would you give this development sheet?

WHAT AREAS / TECHNIQUES NEED TO BE INCLUDED ON THE FOLLOWING DEVELOPMENT SHEETS?

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PRODUCT DEVELOPMENT

SHEET 1



ANTHROPOMETRICS AND ERGONOMICS

HEALTH AND SAFETY ISSUES **DISCOVERED AND RESOLVED?**

METHOD OF CONSTRUCTION MODEL AND REAL PRODUCT

MANUFACTURING PROCESSES INJECTION MOULDING ETC....

MATERIALS **PROPERTIES OF MATERIALS**

> DISASSEMBLY **OF PRODUCTS/** MODELS

EVIDENCE PHOTOGRAPHS IN REAL TIME AS YOU WORK **VIDEO CLIPS**

MODELS AND PROTOTYPES 2D AND 3D **ONGOING TESTING EXPERIMENTATION**

> ENVIRONMENT LIFE CYCLE **SUSTAINABILITY**

COSTS TO MANUFACTURE PRICE TO CUSTOMER

REFER TO SPECIFICATION REGULARLY CHECK YOU ARE KEEPING TO THE SPECIFICATION

SKETCHES **EXPLODED VIEWS** COLOUR RENDERED ILLUSTRATIONS SECTIONAL VIEWS ORTHOGRAPHIC CAD COMPUTER AIDED DESIGN

SIZES LENGTH, HEIGHT AND DEPTH

CUSTOMER / **CLIENT VIEWS**

VIEWS OF OTHERS

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SOLVED ANY PROBLEMS? WHILE SKETCHING / MODELLING

STYLE / AESTHETICS

DIFFERENT IDEAS VALID IDEA? DEAD END?

EVALUATE IDEAS

FOUND ANY PROBLEMS? WHILE SKETCHING / MODELLING